



**Terry Tamminen**  
Agency Secretary

# Air Resources Board

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**Alan C. Lloyd, Ph.D.**  
**Chairman**

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**Arnold Schwarzenegger**  
Governor

February 17, 2004

#04-01

Mr. Ben Bonachea  
Regional Services Manager  
E.J. Ward, Inc.  
8801 Tradeway  
San Antonio, Texas 78217-0888

Dear Mr. Bonachea:

Thank you for requesting California Air Resources Board (ARB) approval of the E.J. Ward, Inc. Extended Range Hose Module part # RF HOSE MOD ER, for use with Emco-Wheaton 4000 series Balance Nozzle Phase II Vapor Recovery System. The Extended Range Hose Module collects vehicle information for fleet applications and allows only vehicles with corresponding hardware the ability to refuel. The Extended Range Hose Module installed on an Emco-Wheaton 4000 series Balance Nozzle Phase II Vapor Recovery System is a battery-powered module that attaches to the front of the nozzle boot and communicates by radio frequency with a module installed in a vehicle. The communication allows fuel to be dispensed to the proper vehicle with compatible hardware to track various engine data.

ARB staff has reviewed all information submitted and has completed a minimum 30-day test of the Extended Range Hose Module installed on an Emco-Wheaton 4000 series Balance Nozzle Phase II Vapor Recovery System. Testing was conducted at the Hetch Hetchy Water site located at 10515 Warnerville Road, Oakdale, California. ARB staff has evaluated the Extended Range Hose Module to verify that it does not interfere with the nozzle boot or the dispenser when hung and when fueling a vehicle. Based on our evaluation, we find the use of the Extended Range Hose Module part # RF HOSE MOD ER mounted on the Emco-Wheaton 4000 series Balance Nozzle Phase II Vapor Recovery System, when installed in accordance with the manufacturer recommended instructions, will not adversely affect the vapor recovery systems.

Based on our conclusion and approvals by the Department of Food and Agriculture, Division of Measurement Standards; Department of Industrial Relations, Division of Occupational Safety and Health; and Department of Forestry and Fire Protection, Office of the State Fire Marshal, the Extended Range Hose Module (Part # RF HOSE MOD ER) is approved for use on the Emco-Wheaton 4000 series Balance Nozzle Phase II Vapor Recovery System.

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Website: <http://www.arb.ca.gov>.*

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California Environmental Protection Agency